

Collapsible Spiral Stair

Abstract

A spiral stair that can be collapsed allowing the permanent footprint of the stair to be decreased or eliminated. The stair can be constructed of metal or other common material possessing sufficient strength and rigidity for the application. The stair can be constructed with either a fixed center pole along which then individual steps translate vertically or a telescoping center pole that can be collapsed in sections similar to an automatic antenna. The individual steps would be attached to the various sections and when the center pole is collapsed, the steps would be compressed with the pole into a smaller overall space. A stair could also be constructed in similar fashion to current spiral stairs except the stair case as a unit can be translated vertically, preferably the stair would be raised as a unit into an attic.